

IN THE CLAIMS

1. (Previously Presented) A self-energizing brake assembly comprising:
a support pivotally mounted at an angle relative to a rotatable brake member;
an adjustable member biasing said support toward the rotatable brake member wherein said adjustable member comprises a compliant member; and
a friction member pivotally mounted relative to the support and slideable along said support between engaged and disengaged positions with the rotatable brake member to generate a braking force between said friction member and the rotatable brake member, wherein said angle of said support is variable for controlling a self-energizing gain in said braking force.
- 2-11. (Cancelled)
12. (Previously Presented) The assembly as recited in claim 1, wherein said friction member contacts an outer perimeter of the rotatable brake member.
13. (Previously Presented) The assembly as recited in claim 1, wherein said friction member contacts planar surfaces of the rotatable brake member.
- 14-21. (Cancelled)
22. (Previously Presented) The assembly as recited in claim 1, wherein said braking force comprises a constant applied force component and a generated gain component provided by the self-energizing brake assembly and said generated gain component is controlled by varying said angle of said support.
23. (Previously Presented) The assembly as recited in claim 1 wherein said support is pivotally mounted relative to the rotatable member at a pivot, and wherein a frictional force

generated between said friction member and the rotatable brake member slides said friction member along said support toward said pivot.

24-25. (Cancelled)

26. (New) The assembly as recited in claim 1, wherein said friction member is slideable along said support in a linear direction.

27. (New) The assembly as recited in claim 1, wherein said support is positioned on one side of said rotatable brake member with said friction member being positioned between said support and said rotatable brake member.

28. (New) The assembly as recited in claim 27, wherein said support includes a pivot at one end and extends to a second end that is supported by said adjustable member, and wherein said friction member slides along said support between said first and said second ends.

29. (New) The assembly as recited in claim 1, wherein said support is pivotally mounted at an oblique angle relative to said rotatable brake member.

30. (New) The assembly as recited in claim 1, wherein said support, said friction member and said adjustable member are all positioned on one common side of said rotatable brake member.

31. (New) The assembly as recited in claim 1, wherein a biasing force exerted by said compliant member is balanced against a counter force generated by movement of said friction element along said support such that said angle is continuously varied to control braking force on said rotatable brake member.

32. (New) The assembly as recited in claim 1, including a wedge positioned between said support and said friction member, said wedge being slideable along said support between first and second ends of said support, and wherein said friction member pivotally mounted to said wedge.

33. (New) The assembly as recited in claim 1, wherein said support is pivotally mounted at an angle relative to said rotatable brake member at a first pivot, and wherein said friction member is pivotally mounted relative to said support at a second pivot separate from said first pivot and on a common side of said rotatable brake member as said first pivot.